

NASA *EVM Initiatives*

EVM Implementation



- EVM Implementation responsibility transferred from The Chief Financial Officer, Code B to the NASA Chief Engineer, Code D
- The Office of the Chief Engineer is responsible for Program and Project Management Processes, NPR 7120.5 which will be updated to include EVM policy guidance and requirements
- An Earned Value Management Focal Point Council Chaired by the NASA Deputy Chief Engineer consists of members from Headquarters and each of the Centers provides for EVM implementation guidance for the Agency



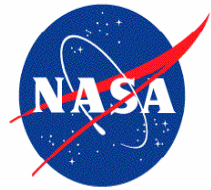
Initiatives:

- EVM Requirements for NASA NPR 7120.5 Program and Project Management Process and Requirements
- EVM Implementation Handbook
- IBR Handbook
- EVM Assessment Model
- In-House Earned Value System
- Schedule Health Check Process

Objective:

- Provide a uniform Agency-wide approach for implementing and utilizing EVM on NASA Projects.
- Increase EVM implementation compatibility with other Government Agencies

EVM Policy Requirements



Initiative:

- Replace NPD 9501.3 and NPR 9501.3.
- NASA EVM Policy requirements in NPR 7120.5
- Review threshold applications
- Review types of contracts for applicability
- Requirements for In-House Projects

Objective:

- Provide uniform Agency-wide requirements for implementing EVM on NASA Projects in the Program and Project Management requirements document
- Define reporting requirements



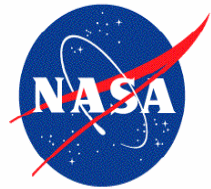
Initiative:

- Provide applicable implementation procedures, processes and detailed instructions for applying EVM on NASA Projects

Objective:

- Defines requirements, responsibilities for the implementation process
- Serves as a guideline for EVM implementation
- Addresses pre-contract award and post-contract award

NASA Integrated Baseline Review (IBR) Handbook



Initiative:

- Standardize guidance for the NASA Integrated Baseline Review (IBR) Process

Objective:

- Provide Project Managers, project staffs and EVM staff with a standard guide for conducting the IBR as a technical review.
- Insure that Project Manager has ownership of the process.
- Define IBR responsibilities.

EVM Implementation Assessment Model



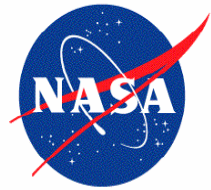
Initiative:

- Provide an assessment capability for determining how well EVM is being implemented and utilized on NASA programs and projects.

Objective:

- Enable Project Managers to determine the adequacy of the EVM implementation on their Projects
- Allows PMs to emphasize areas where improvements are needed

In-House EVM System



Initiative:

- Provide NASA PMs with a practical In-house EVM system that enhances the planning, execution, and performance management of Agency Programs and Projects.

Objective:

- To provide smaller, in-house projects with a basic EV management process for managing project performance
- “User-friendly” interface process
- Schedule capability and interface
- Analysis and reports capability
- IFM and wInsight interfaces, and automation

Schedule Health Assessment



Initiative:

- To provide a schedule health assessment process to assess the validity of project schedules

Objective:

- Provide a quantitative method for determining a schedule's credibility and usability for managing a project
- Enhance the EVM process in assessing the planning through the schedule assessment process
- Provide assessments of schedule for IBRs as well as on-going health status during the execution of the project

Automated Data Analysis

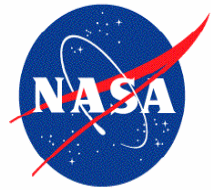


Initiative:

- To provide projects with an automated analytical capability to perform EVM data analysis.
- Provide an enhanced EVM Server and Database configuration

Objective:

- Provide for timely analyses of EVM data on a routine basis for project management and for management decision making.
- Provide capability to quickly identify cost and schedule drivers as well as provide independent EACs.
- Provide a centralized database that supports and facilitates the Agency-wide implementation of wInsight and other EVM initiatives.
- Provide standardized report generation and reporting.



Initiative:

- Provide for an effective EVM training curriculum for NASA that supports EVM processes and promotes consistent practices across the Agency

Objective:

- Recommend an agency training plan and curriculum
- Recommend courses and sources for training
- Include courses on EVM, scheduling, data analysis, and EVM for Technical Managers